BOOK

ns Breadth 5	Depth 6	Contents 7	Reference to last Measurement 8
IT-	49771-		
AT-	99542-		
SD-	161756-		
ur-	24885-		
SF	2489-		
Rog-	41104-		
otal-	379547=00		

BR-122/31-5-14

SBR-88/14-15

31-5-14

M.A.R. 57 (Rule 116)

Measurement Book

No. A/10 195482

Serial No. 2nd and final Bill

Name of work. Comp.to Balaji Layout main Road & in To. Ward No. 09

Name of Contractor of nature of Agency. H.S. Natang Vidyarayapura Sub-Dsn

Date of commencement of work. D.O. Recordy. 30/05/2014

Date 1	Full description, etc, of work 2	Dimensions Number 3	Length 4	Breadth 5	Depth 6	Contents 7	Reference to last Measurement 8
	Estimated cost	Rs. 15.00 Lakhs.					
	DB. No	1009-13-000027					
	Work order No	= EE/BTP/BBMP/T-PMT/(7225)/200/500/ 2013-14-Dt 24.02.2014					
(1)	Earthwork Excavation by manual means in ordinary soil including an average horizontal throw upto 25 and an average lift upto 0.50m, Excavated surface levelled and sides neatly dressed. The disposed earth to be						

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	levelled neatly after breaking clods etc complete as per specifications.						
	Ca) for Beam ceiling 2nd Main Roof and drains	~~2nd~~ 2	30			9th scale MB no P.19 3500 p.no. It (1) = 310.204 m^3 @ 60.84/m	18903.59 C&E
(2)	Providing and laying in position plain cement concrete M20 M.Y.S with ope cement 40mm and down size graded granite metal coarse aggregate 0.85 m^3 and fine aggregate @ 0.57 m^3, machine mixed, concrete laid in layers not exceeding 15cms thick well compacted in foundation and plinth, including curing all material, labour, hire of machinery etc complete as per specification						

Serial No.....

Name of work.....

Name of Contractor of nature of Agency

Date of commencement of work.....

Date	Full description, etc, of work
1	2
(3)	Providing and laying in position plain cement concrete M.20 with ope cement 20mm size graded granite metal coarse and fine aggregate conforming to IS 9... mixed concrete l...

OK

Depth 6	Contents 7	Reference to last Measurement 8
ch Complete as		
vide MB no P-195500		
① = 310.204 m³ @ 60.94/- m³		18903.59 CRF
cement concrete with 40 mm and aggregate m³, machine mixed, ions three way dy curing only y curing complete		

M.A.R. 57 (Rule 116)

Measurement Book

No. A/10 195483

Serial No.....

Name of work.....From.....To.....

Name of Contractor of nature of Agency.....

Date of commencement of work.....

Date 1	Full description, etc, of work 2	Dimensions				Contents 7	Reference to last Measurement 8
		Number 3	Length 4	Breadth 5	Depth 6		
	Qty vide this MB p.no 195500						
	Item no. ② = 24.47 m³ @ 3984.40/- m³						97478.35
③	Providing and laying in position reinforced cement concrete work M.20 with OPC cement 320 kg/m³ with 20 mm nominal down size graded granite metal coarse aggregate @ 0.8 m³ and fine aggregate @ 0.459 m³ with superplasticizer @ 1% confirming to IS 9103-1999 re-affirmed 2002, machine mixed concrete laid in layers not exceeding 150 mm and						

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	Extracted for all works in foundations, plinth and ground floor level for Roof slabs, staircase, lintel, retaining walls, return walls, Wall (any thickness) including attached pilasters, columns, piers, abutments, pillars, posts, struts etc, anchor block etc complete as per specifications.						
	(a) for RR drain Balkan counts						
	(a) Approach road layout near UH CRC	1	30.50	0.90	0.15	4.11	
		2	30.50	0.15	0.60	5.49	
	(b) Near Mareena temple virupaksha pura	2×2	30.00	0.15	0.60	10.80	
		2×1	20.15	0.15	0.60	3.62	
		2×1	30.00	0.90	0.15	8.10	
		1×1	20.15	0.90	0.15	2.72	
	(c) Thirdly Ladyship Road near more. H	2×1	30.00	0.15	0.60	5.40	
		2×1	22.45	0.15	0.60	4.04	

Serial No.....

Name of work.....

Name of Contractor of nature of Agency

Date of commencement of work.....

Date	Full description, etc, of work
1	2
	Coffe
	30
(4)	Providing mild st... straighting, cutting, lapping, and or wel... binding wire and ...

BOOK

ns		Contents	Reference to last Measurement
readth 5	Depth 6	7	8
, plinth and ground floor			
linter, retaining walls,			
runways attached pilasters,			
, posts, struts etc,			
specifications.			
0.90	0.15 ×	4.11	
0.15	0.60 ×	5.49	
.15	0.60 =	10.80	
0.15	0.60 =	3.62	
0.90	0.15 =	8.10	
0.90	0.15 =	2.72	
0.15	0.60 =	5.40	
0.15	0.60 =	4.04	

C/Fc

M.A.R. 57 (Rule 116)

Measurement Book

No. A/10 195484

Serial No.....

Name of work.....From.....To.....

Name of Contractor of nature of Agency.....

Date of commencement of work.....

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	Cont-	1×1	30.40	0.90	0.15 ×	4.05	
		1×1	20.45	0.90	0.15 ×	2.76	
						51.094	
						@ 5373.45	2,74,529.56
	30/5/2014.						C/Fc
(4)	Providing mild steel reinforcement for RCC work including straightening, cutting, bending, hooking, placing in position lapping, and or welding wherever required tying with binding wire and or changing the existing members						

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	Whenever necessary complete as per design and costing materials, labour, hire of machinery Complete as per specification.						
	Qty vide MB ~~3816~~ 3916 p no 191598						
	H no (2) = 36.63 Qty						
	e ~~255.06~~ / 4²						
	7690.30 Qty						
(5)	Providing and removing centring, shuttering, struts, props etc and removal of formwork for vertical surface such as walls of any thickness, including attached pilasters, buttresses, plinth and string courses, curved all material, labour complete as per specifications and directions of Engineer-in-charge of work.						
	Qty vide MB no. 3916						
	P. 191597 H (1) 391.44² e 255.06/4²						

Serial No.....

Name of work.....

Name of Contractor of nature of Agency...

Date of commencement of work.....

Date	Full description, etc, of work	N
1	2	
	6) Scarifying structure with pick axe Surface dressing material, with means including as per specification	

Depth 6	Contents 7	Reference to last Measurement 8
(esign and chinery		
8816 pno 191598 36.63 Qty @ ~~255.06~~/m² 1690.30/Qty struly, propts ed surface ly affected st, washing eathering and ork. no. 8916		28169.5=68 C&RC
) 391.44 m² @ 255.06/m²		

M.A.R. 57 (Rule 116)

Measurement Book No. A/10

Serial No.....

Name of work.....From.....To.....195485

Name of Contractor of nature of Agency.....

Date of commencement of work.....

Date 1	Full description, etc, of work 2	Dimensions				Contents 7	Reference to last Measurement 8
		Number 3	Length 4	Breadth 5	Depth 6		
					@ 255.06/m²		99840.68
6)	Scarifying stone metal crust 50mm to 100mm thick with pick axes along with premix carpet & surface dressing and stacking old serviceable material, within a lead of 100'mts by manual means including cost of all labour charges complete as per specifications works. etc complete as per specifications						C&RC
					Qty vide mb. 8916 p. 191598		
					# (3) = 880.00 m²		33026.00
						C 37.53/m²	

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
(7)	Providg, laying, spreadg and compactg graded stone aggregate in wet mix macadam specifcatn, includg premixg the plant, carriage of mixed material by tipper lorry, layg in uniform layer with paver in sub-base/base course on well prepared ~~Roll~~. surface and compactg with vibratry Roller to achieve the desired density complete as per specifcatns						
						Qty as per MB 8916 Pt (4)	
						P (4) 191593 = 165.32 @ 1107.16/-	182681.00
(8)	Cleang of Existg WBM Road surface includg removg of bindly materials, and other foreign matter with Wire brushes and small picks, sweepg with broom & or dry brushes and finally dustg with old gunny bags and or Compressed air to Remove						

Serial No.....

Name of work.....

Name of Contractor of nature of Agency....

Date of commencement of work.....

Date	Full description, etc, of work	Nu
1	2	
	the bituminous ma materials, labour, as per specifcatn	
(9)	Providg, and applyg emulsion on pre bindly cleanig primer after rol	

BOOK

s		Contents	Reference to last Measurement
eadth 5	Depth 6	7	8
ompacting graded cadam specifications, ayers mixed uniform layer with e as well prepared vibrating Roller to mplete as per specifications e MB 8916 It (5) 1654.32 @ 1107.16/m²			182681.00
surface is cleaned nd other foreign Small pieces, sweeping ad finally dusting rmed as per Remis			CLFC

M.A.R. 57 (Rule 116)

Measurement Book No. A/10 195486

Serial No.....

Name of work.....From.....To.....

Name of Contractor of nature of Agency.....

Date of commencement of work.....

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	for bituminous treatment, including cutting all materials, labour, hire of machinery, engine complete as per specification. Qty vide MB 8916 It (5) P.no. 191599 - 1004² @ 9.71/m²						1068.00
	(9) Providing and applying primer coat with bitumen Emulsion on prepared surface of granular base including cleaning of road surface and spraying primer at the rate of 0.60 kg/m² using mechanical						CLFC

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	Means completion as per specifications, month specifications etc. complete						
	Qty as per ✓ no. (8) :						
	= 110042 @ 41.42/m²						45562.00
10)	Providing and laying dense bituminous concrete 25 mm thick with 100-120 TPH batch type hmp producing an average output of 75 t per hr using crushed aggregate of specified grading premixed with bituminous binder @ 4.5% of mix and filler, transporting the hot mix to work site laying with a hydrostatic paver finisher with dense control to the required grade, level and						

Serial No.....

Name of work.....

Name of Contractor of nature of Agency.

Date of commencement of work.....

Date	Full description, etc, of work
1	2
	alignment of Roll and tandom Rolle as per morth spe Repeats with so/

	Depth 6	Contents 7	Reference to last Measurement 8
...ches, mostly			
...r ☒ no. (8) :			
...042e	41.42	45562.00	
...ssion covered			
...ches type Hamp			
...75 t per hr			
...ed grading			
...h 4.5 N/sq.m.			
...more in work			
...distribution with			
...rade, level and			

M.A.R. 57 (Rule 116)

Measurement Book

No. A/10 195487

Serial No.....

Name of work.....From.....To.....

Name of Contractor of nature of Agency.....

Date of commencement of work.....

Date 1	Full description, etc, of work 2	Dimensions				Contents 7	Reference to last Measurement 8
		Number 3	Length 4	Breadth 5	Depth 6		
	Alignment at Rolling with smooth wheeled, vibratory and tandem Rollers to achieve the desired compaction as per mostly specifications no. 800-8 complete as per Reports with suitable grade between						
		1	30.00	$\frac{6.2+5.8}{2}$	0.025 =	4.80	
		1	30.00	$\frac{5.8+5.7}{2}$	0.025 =	4.31	
		1	30.00	$\frac{5.7+6.0}{2}$	0.025 =	4.39	
		1	30.00	$\frac{6.0+5.8}{2}$	0.025 =	4.31	
		1	30.00	$\frac{5.8+5.6}{2}$	0.025 =	4.16	

I.T. - 13344 -
Vat - 53375 -
66718 -
13344 -
CBT - 1334 -
Roy 20016
168131 -

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions: Number	Length	Breadth	Depth	Contents	Reference to last Measurement
1	2	3	4	5	6	7	8
		1	38.00	5.60+6.0/2	0.025	= 5.54	
		1	3.00	4.50	0.025	= 0.34	
						27.524	
			Unit	27.50	@ 9226.31/-		253723.00

4) Land for disposal of debris shall be payable at Common Rate by means of man including loading and unloading charges

Only as per Item (1) : @ 75.98 | 310.20 | 23569.00

note Drawing is enclosed no 195493

Only | 13,71,690.38 | 1334368

Audited & Admitted for Rs 1334368 -
11,66,237 -
and Rs 1,68,131 -

Accts. Asstt. | Executive Engineer

By date examination for Rupees [illegible]

ABMP | ADMP

30/05/14

30/05/14

Premeasurement of

Serial No.....

Name of work..... Imp of Roads Via Tenguis C

Name of Contractor of nature of

Date of commencement of work

Date	Full description, etc, of w
1	2
	I.No. (5) :- Providing mi Cutting, bending wherever Requi (1) For Side wal 12 mm ϕ main 10 —u— (ro